OVERVIEW

1. USB 3.2 Gen 1
2. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot
4. Thunderbolt 4
5. HDMI 2.0b
6. Headphone / microphone combo jack (3.5mm)
PERFORMANCE

Processor

Processor Family
11th Generation Intel® Core™ i5 / i7 Processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i5-1135G7</td>
<td>4</td>
<td>8</td>
<td>2.4GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1165G7</td>
<td>4</td>
<td>8</td>
<td>2.8GHz</td>
<td>4.7GHz</td>
<td>12MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System**
- Windows® 10 Pro 64
- Windows 10 Home 64
- Windows 11 Pro 64
- Windows 11 Home 64
- No operating system

Graphics

Graphics

<table>
<thead>
<tr>
<th>Graphics Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Iris Xe Graphics</td>
<td>Integrated</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support
Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 3840x2160@60Hz) or Thunderbolt™ (up to 7680x4320@30Hz)

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

Max Memory**(i)
- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots
Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB model)

Memory Type
LPDDR4x-4266

Notes:
1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support
One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Type***

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe® NVMe®, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
**Removable Storage**

- Optical
  - None
- Card Reader
  - No card reader

**Multi-Media**

**Audio Chip**

- High Definition (HD) Audio, Realtek® ALC3306 codec

**Speakers**

- Stereo speakers, 2W x2, Dolby® Audio™, Harman Speakers
- Stereo speakers, 2W x2, Dolby Audio, Harman Speakers, Smart AMP

**Microphone**

- Dual array microphone with AI-based noise cancellation, switchable audio modes

**Camera**

- 720p, with ThinkShutter, fixed focus

**Battery**

**Battery**

- Integrated Li-Polymer 56Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Max Battery Life**

- MobileMark® 2014: 16 hr
- MobileMark 2018: 12.1 hr

**Notes:**

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

**Power Adapter**

**Power Adapter**

- 65W USB-C slim (2-pin, wall-mount) AC adapter
- 65W USB-C (3-pin) AC adapter

**Notes:**

1. 65W USB-C slim (Wall Mount) AC adapter is only available in selected countries

**DESIGN**

**Display**

**Display**

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.3”</td>
<td>WUXGA (1920x1200)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Dolby Vision™</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA (2560x1600)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Dolby Vision</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA (2560x1600)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Low power, Dolby Vision</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA</td>
<td>Multi-</td>
<td>IPS</td>
<td>300 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>1500:1</td>
<td>100%</td>
<td>170°</td>
<td>Low power,</td>
</tr>
</tbody>
</table>
**Touchscreen**
- Capacitive-type multi-touch, supports 10-point touch
- Non-touch

Notes:
1. California Electronic Waste Recycling Fee
   In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.cairecycle.ca.gov/Electronics/Consumer

**Input Device**

**Keyboard**
- 6-row, spill-resistant, multimedia Fn keys

**Keyboard Backlight**
- LED backlight

**Touchpad**
- Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

**Mechanical**

**Dimensions (WxDxH)**

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>299 x 210 x 14.9 mm (11.77 x 8.27 x 0.59 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>1.26 kg (2.78 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**
- Mineral grey, dual-tone design

**Surface Treatment**
- Anodizing sandblasting

**Case Material**
- Aluminium (top), aluminium (bottom)

Notes:
1. The system weight varies depending on configurations

**CONNECTIVITY**

**Network**

**Onboard Ethernet**
- No Ethernet

**WLAN + Bluetooth®**
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1

Notes:
1. WiFi 6 full features might be limited by country level restrictions
   BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)

**Ports**

<table>
<thead>
<tr>
<th>Standard Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x USB 3.2 Gen 1</td>
</tr>
<tr>
<td>1x USB 3.2 Gen 1 (Always On)</td>
</tr>
<tr>
<td>1x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)</td>
</tr>
<tr>
<td>1x HDMI 2.0b</td>
</tr>
</tbody>
</table>

1. Lenovo is not responsible for any country level restrictions for its covered products
• 1x Headphone / microphone combo jack (3.5mm)

Notes:
The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
- USB 2.0: 480 Mbit/s
- USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s
- USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s
- USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s
- Thunderbolt 3: 40 Gbit/s
- FireWire 400: 400 Mbit/s
- FireWire 800: 800 Mbit/s

SECURITY & PRIVACY

Security

Security Chip
- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset

Physical Locks
Kensington® Nano Security Slot

Fingerprint Reader
Touch style fingerprint reader on smart power button

BIOS Security
- Supervisor password
- Power-on password
- Hard disk password

Other Security
ThinkShutter camera cover

SERVICE

Warranty

Base Warranty
- 1-year depot service
- 1-year depot with 2-year system board service
- 2-year (1-yr battery) depot service

ENVIRONMENTAL

Operating Environment

Temperature
- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

Humidity
- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

Altitude
Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:
1. When you charge the battery, its temperature must be no lower than 10°C (50°F)
CERTIFICATIONS

Green Certifications

- EPEAT™ Silver
- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

Other Certifications

Mil-Spec Test
MIL-STD-810G military test passed

Other Certifications

- (Optional) Intel Evo™ Platform
- TÜV Rheinland® Low Blue Light

- Feature with ** means that only one offering listed under the feature is configured on selected models.

- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.

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